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**DATE:** July 26, 2006  
**FILE NO:** APPM/003421.C2/PPC/ECP/CKIM  
**TO:** MAIL STOP AF  
**FAX NO:** 571-273-8300  
**COMPANY:** USPTO  
**FROM:** Keith M. Tackett  
**PAGE(S) with cover:** 16  
**ORIGINAL TO FOLLOW?** ☐ YES ☒ NO

**RESPONSE TO FINAL OFFICE ACTION DATE MAY 26, 2006; PETITION FOR CLAIMING  
BENEFIT OF EARLIER FILING DATE; AND FEE TRANSMITTAL**

**TITLE:** Apparatus for Electro Chemical Deposition of Copper  
Metallization With the Capability of In-Situ Thermal Annealing  
**U.S. SERIAL NO.:** 10/686,486  
**FILING DATE:** October 15, 2003  
**INVENTOR:** Cheung, et al.  
**EXAMINER:** Harry D. Wilkins, III  
**GROUP ART UNIT:** 1742  
**CONFIRMATION NO.:** 8014

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**JUL 26 2006**

## PATENT

Ailv. Dkl. No. APPM/003421.C2/PPC/ECP/CKIM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:**  
**Robin Cheung, et al.**

**Serial No.: 10/686,486**

**Confirmation No.: 8014**

**Filed: October 15, 2003**

**For: Apparatus for Electro  
Chemical Deposition of  
Copper Metallization with  
the Capability of In-Situ  
Thermal Annealing**

**Group Art Unit: 1742**

Examiner: Harry D. Wilkins, III

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**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office to fax number 571-273-8300 to the attention of Examiner Harry D. Wilkins, III, on the date shown below:

7/26/06 *Keith M. Tackett*  
Date Keith M. Tackett

**RESPONSE TO FINAL OFFICE ACTION DATED MAY 26, 2006**

In response to the Final Office Action dated May 26, 2006, having a shortened statutory period for response set to expire on August 26, 2006, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicant believes that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/APPM/003421.C2/KMT, for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Specification** begin on page 2 of this paper. **Amendments to the Claims** are reflected in the listing of claims which begin on page 3 of this paper. **Remarks** begin on page 5 of this paper.